CHECKLIST OF INSTALLING OR CONVERTING EQUIPMENT TO DISPENSE E85

- ☐ Notify your licensed installer and the state underground storage tank program of your intent to dispense E85. Your installer should determine if the age, composition and condition of your tank and piping are safe for E85 use. For assistance, contact Minnesota E85 Team or National Ethanol Vehicle Coalition (NEVC) via the contact information at the bottom of the page.

- ☐ In the case of a conversion, the tank must be cleaned of all water and sediment. Ensure no water is present to protect the quality of your E85 and the operation of your customers' vehicles.

- ☐ Ensure all visible fittings and connections at the top of the tank are tight (no vapors escape and no water enters).

- ☐ Ensure sump and spill containment covers will prevent water from entering the system.

- ☐ Use ONLY 1-micron dispenser filters or a comparable E85-specific filter with E85 blends. Do NOT use 10-micron gasoline or 30-micron diesel filters. Cim-Tek is a popular brand of alcohol-compatible filters.

- ☐ Use ONLY an alcohol-compatible hose with E85.

- ☐ Use ONLY steel or nickel-plated swivels, connectors and nozzles (hanging hardware) with E85. Do NOT use aluminum gasoline nozzles.

- ☐ Identify the E85 fill port and paint the access cover according to API RP 1637. Make certain transport drivers cannot make fuel deliveries to wrong storage tank.

- ☐ Calibrate the dispenser meter at the time of conversion or new installation and two weeks later to verify meter accuracy with E85. More frequent calibration (API RP 1626) may be required to ensure the retailer is receiving proper compensation for each sale.

- ☐ Label dispenser with all E85 logos, cautionary and required decals. Use nozzle covers identifying E85 is not gasoline or diesel. Consider using hangtags, pump toppers and other signage to educate your customers. Price sign inserts, curbside signs and the decals mentioned above as well as other materials are available from the NEVC. These can significantly increase consumer awareness and your monthly sales.

- ☐ Tank should be filled to 80% of capacity and kept as full as possible for 7 to 10 days.

- ☐ Conduct a precision test of the tank system (0.1 gallon/hour test) with ATG system within seven days after tank is filled to confirm the integrity of the system and to ensure leak detection equipment is operating properly. Report any "fail" results immediately.

- ☐ Test for water at the start of each shift for the first 48 hours after delivery. Standard water-detecting pastes may not function properly with E85, and you may need to contact the manufacturer directly (e.g. Sartomer or KolorKut). If you suspect water contamination, track the source and fix the problem immediately.

- ☐ If product seems to pump slowly, check and replace filters. Persistently clogged filters may indicate moisture or another source of contamination.

National Ethanol Vehicle Coalition (NEVC): 1-877-485-8595 & E85Fuel.com
MN E85 Team/American Lung Association of Minnesota: 1-651-227-8014 & CleanAirChoice.org
See the *Handbook for Handling, Storing, and Dispensing E85* for complete details.